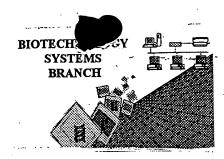


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

| Application Serial Number:Source: | 09/788,110 | RECEIVED |
|---|------------|---------------------|
| Date Processed by STIC: | 5/7/02 | MAY 2 8 2002 |
| THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS. PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER: | | OFFICE OF PETITIONS |

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER. 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual - ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002





OIPE

Does Not Comply Corrected Diskotta Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/788,110

Output Set: N:\CRF3\05072002\1788110.raw

Input Set : A:\pto.vsk.txt

DATE: 05/07/2002

Mayor termatty

TIME: 10:11:17

over. Please control

Robert War at 703-

306-4119 or 703-308-4216

2 <110> APPLICANT: Regents of the University of California
3 Zanetti, Maurizio

W--> 4 <120> TITLE OF INVENTION: A Universal Vaccine and Method for Treating Cancer Employing
Telomerase

W--> 5 Reverse Transcriptase

W--> 6 <130> FILE REFERENCE: SD2001-051

W--> 7 <140> CURRENT APPLICATION NUMBER: 09/788,110

C--> 8 <141> CURRENT FILING DATE: 2002-04-23

9 <150> PRIOR APPLICATION NUMBER: 60/182,685

W--> 10 <151> PRIOR FILING DATE: 2000-02-15<160> 33

W--> 0 <160> NUMBER OF SEQ ID NOS:

11 <170> SOFTWARE: PatentIn version 3.0

RECEIVED

MAY 2 8 2002

OFFICE OF PETITIONS

ERRORED SEQUENCES

21 <210> SEQ ID NO: 2<211> 9<212> PRT<213> Homo sapiens<400> 2

W--> 23 <211> LENGTH:

W--> 23 <212> TYPE:

W--> 23 <213> ORGANISM:

E--> 23 <400> SEQUENCE:

23 Gln Met Arg Pro Leu Phe Leu Glu Leu

24 1

.

26 <210> SEQ ID NO: 3<211> 9<212> PRT<213> Homo sapiens<400> 3

W--> 28 <211> LENGTH:

W--> 28 <212> TYPE:

W--> 28 <213> ORGANISM:

E--> 28 <400> SEQUENCE:

28 Leu Met Ser Val Tyr Val Val Glu Leu

29 1

31 <210> SEQ ID NO: 4<211> 9<212> PRT<213> Homo sapiens<400> 4

W--> 33 <211> LENGTH:

W--> 33 <212> TYPE:

W--> 33 <213> ORGANISM:

E--> 33 <400> SEQUENCE:

33 Tyr Met Arg Gln Phe Val Ala His Leu

34 1 5

36 <210> SEQ ID NO: 5<211> 9<212> PRT<213> Homo sapiens<400> 5

W--> 38 <211> LENGTH:

W--> 38 <212> TYPE:

W--> 38 <213> ORGANISM:

E--> 38 <400> SEQUENCE:

38 Phe Met Cys His His Ala Val Arg Ile

39 1

5



RAW SEQUENCE LISTING DATE: 05/07/2002 PATENT APPLICATION: US/09/788,110 TIME: 10:11:17

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\05072002\1788110.raw

```
41 <210> SEQ ID NO: 6<211> 9<212> PRT<213> Homo sapiens<400> 6
W--> 43 <211> LENGTH:
W--> 43 <212> TYPE:
W--> 43 <213> ORGANISM:
E--> 43 <400> SEQUENCE:
     43 Asn Met Arg Arg Lys Leu Phe Gly Val
     46 <210> SEQ ID NO: 7<211> 9<212> PRT<213> Homo sapiens<400> 7
W--> 48 <211> LENGTH:
W--> 48 <212> TYPE:
W--> 48 <213> ORGANISM:
E--> 48 <400> SEQUENCE:
     48 Pro Leu Ala Thr Phe Val Arg Arg Leu
     51 <210> SEQ ID NO: 8<211> 9<212> PRT<213> Homo sapiens<400> 8
W--> 53 <211> LENGTH:
W--> 53 <212> TYPE:
W--> 53 <213> ORGANISM:
E--> 53 <400> SEQUENCE:
     53 Val Leu Ala Phe Gly Phe Ala Leu Leu
     56 <210> SEQ ID NO: 9<211> 9<212> PRT<213> Homo sapiens<400> 9
W--> 58 <211> LENGTH:
W--> 58 <212> TYPE:
W--> 58 <213> ORGANISM:
E--> 58 <400> SEQUENCE:
     58 Leu Leu Ser Ser Leu Arg Pro Ser Leu
     61 <210> SEQ ID NO: 10<211> 9<212> PRT<213> Homo sapiens<400> 10
W--> 63 <211> LENGTH:
W--> 63 <212> TYPE:
W--> 63 <213> ORGANISM:
E--> 63 <400> SEQUENCE:
     63 Val Leu Leu Lys Thr His Cys Pro Leu
     66 <210> SEQ ID NO: 11<211> 9<212> PRT<213> Homo sapiens<400> 11
W--> 68 <211> LENGTH:
W--> 68 <212> TYPE:
W--> 68 <213> ORGANISM:
E--> 68 <400> SEQUENCE:
     68 Phe Leu Arg Asn Thr Lys Lys Phe Ile
     71 <210> SEQ ID NO: 12<211> 9<212> PRT<213> Homo sapiens<400> 12
W--> 73 <211> LENGTH:
W--> 73 <212> TYPE:
W--> 73 <213> ORGANISM:
E--> 73 <400> SEQUENCE:
     73 Ile Leu Ala Lys Phe Leu His Trp Leu
     74 1
```





RAW SEQUENCE LISTING DATE: 05/07/2002 PATENT APPLICATION: US/09/788,110 TIME: 10:11:17

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\05072002\1788110.raw

```
76 <210> SEQ ID NO: 13<211> 9<212> PRT<213> Homo sapiens<400> 13
W--> 78 <211> LENGTH:
W--> 78 <212> TYPE:
W--> 78 <213> ORGANISM:
E--> 78 <400> SEQUENCE:
     78 Arg Leu Thr Glu Val Ile Ala Ser Ile
     81 <210> SEQ ID NO: 14<211> 9<212> PRT<213> Homo sapiens<400> 14
W--> 83 <211> LENGTH:
W--> 83 <212> TYPE:
W--> 83 <213> ORGANISM:
E--> 83 <400> SEQUENCE:
     83 Ser Leu Asn Glu Ala Ser Ser Gly Leu
     86 <210> SEQ ID NO: 15<211> 9<212> PRT<213> Homo sapiens<400> 15
W--> 88 <211> LENGTH:
W--> 88 <212> TYPE:
W--> 88 <213> ORGANISM:
E--> 88 <400> SEQUENCE:
     88 Ile Leu Ser Thr Leu Leu Cys Ser Leu
     91 <210> SEQ ID NO: 16<211> 9<212> PRT<213> Homo sapiens<400> 16
W--> 93 <211> LENGTH:
W--> 93 <212> TYPE:
W--> 93 <213> ORGANISM:
E--> 93 <400> SEQUENCE:
     93 Leu Leu Arg Leu Val Asp Asp Phe Leu
     96 <210> SEQ ID NO: 17<211> 9<212> PRT<213> Homo sapiens<400> 17
W--> 98 <211> LENGTH:
W--> 98 <212> TYPE:
W--> 98 <213> ORGANISM:
E--> 98 <400> SEQUENCE:
     98 Gly Leu Phe Pro Trp Cys Gly Leu Leu
     101 <210> SEQ ID NO: 18<211> 9<212> PRT<213> Homo sapiens<400> 18
W--> 103 <211> LENGTH:
W--> 103 <212> TYPE:
W--> 103 <213> ORGANISM:
E--> 103 <400> SEQUENCE:
     103 Asp Leu Gln Val Asn Ser Leu Gln Thr
     106 <210> SEQ ID NO: 19<211> 9<212> PRT<213> Homo sapiens<400> 19
W--> 108 <211> LENGTH:
W--> 108 <212> TYPE:
W--> 108 <213> ORGANISM:
E--> 108 <400> SEQUENCE:
     108 Trp Leu Cys His Gln Ala Phe Leu Leu
```

109 1





RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/788,110

DATE: 05/07/2002 TIME: 10:11:17

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\05072002\I788110.raw

- 111 <210> SEQ ID NO: 20<211> 9<212> PRT<213> Homo sapiens<400> 20
- W--> 113 <211> LENGTH:
- W--> 113 <212> TYPE:
- W--> 113 <213> ORGANISM:
- E--> 113 <400> SEQUENCE:
 - 113 Ser Leu Arg Thr Ala Gln Thr Gln Leu
 - . 114 1
- . .
- 116 <210> SEQ ID NO: 21<211> 9<212> PRT<213> Homo sapiens<400> 21
- W--> 118 <211> LENGTH:
- W--> 118 <212> TYPE:
- W--> 118 <213> ORGANISM:
- E--> 118 <400> SEQUENCE:
 - 118 Ala Leu Pro Ser Asp Phe Lys Thr Ile
 - 119 1

5



VERIFICATION SUMMARY

DATE: 05/07/2002 PATENT APPLICATION: US/09/788,110 TIME: 10:11:18

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\05072002\I788110.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier L:6 M:283 W: Missing Blank Line separator, <130> field identifier L:7 M:283 W: Missing Blank Line separator, <140> field identifier L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:10 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD L:0 M:282 W: Numeric Field Identifier Missing, <160> is required. L:12 M:283 W: Missing Blank Line separator, <210> field identifier L:16 M:283 W: Missing Blank Line separator, <400> field identifier L:23 M:282 W: Numeric Field Identifier Missing, <211> is required. L:23 M:282 W: Numeric Field Identifier Missing, <212> is required. L:23 M:282 W: Numeric Field Identifier Missing, <213> is required. L:23 M:200 E: Mandatory Header Field missing, <400> is required. L:28 M:282 W: Numeric Field Identifier Missing, <211> is required. L:28 M:282 W: Numeric Field Identifier Missing, <212> is required. L:28 M:282 W: Numeric Field Identifier Missing, <213> is required. L:28 M:200 E: Mandatory Header Field missing, <400> is required. L:33 M:282 W: Numeric Field Identifier Missing, <211> is required. L:33 M:282 W: Numeric Field Identifier Missing, <212> is required. L:33 M:282 W: Numeric Field Identifier Missing, <213> is required. L:33 M:200 E: Mandatory Header Field missing, <400> is required. L:38 M:282 W: Numeric Field Identifier Missing, <211> is required. L:38 M:282 W: Numeric Field Identifier Missing, <212> is required. L:38 M:282 W: Numeric Field Identifier Missing, <213> is required. L:38 M:200 E: Mandatory Header Field missing, <400> is required. L:43 M:282 W: Numeric Field Identifier Missing, <211> is required. L:43 M:282 W: Numeric Field Identifier Missing, <212> is required. L:43 M:282 W: Numeric Field Identifier Missing, <213> is required. L:43 M:200 E: Mandatory Header Field missing, <400> is required. L:48 M:282 W: Numeric Field Identifier Missing, <211> is required. $L:48\ M:282\ W:$ Numeric Field Identifier Missing, <212> is required. L:48 M:282 W: Numeric Field Identifier Missing, <213> is required. L:48 M:200 E: Mandatory Header Field missing, <400> is required. L:53 M:282 W: Numeric Field Identifier Missing, <211> is required. L:53 M:282 W: Numeric Field Identifier Missing, <212> is required. L:53 M:282 W: Numeric Field Identifier Missing, <213> is required. L:53 M:200 E: Mandatory Header Field missing, <400> is required. L:58 M:282 W: Numeric Field Identifier Missing, <211> is required. L:58 M:282 W: Numeric Field Identifier Missing, <212> is required. L:58 M:282 W: Numeric Field Identifier Missing, <213> is required. L:58 M:200 E: Mandatory Header Field missing, <400> is required. L:63 M:282 W: Numeric Field Identifier Missing, <211> is required. L:63 M:282 W: Numeric Field Identifier Missing, <212> is required. L:63 M:282 W: Numeric Field Identifier Missing, <213> is required. L:63 M:200 E: Mandatory Header Field missing, <400> is required. L:68 M:282 W: Numeric Field Identifier Missing, <211> is required. L:68 M:282 W: Numeric Field Identifier Missing, <212> is required. L:68 M:282 W: Numeric Field Identifier Missing, <213> is required. L:68 M:200 E: Mandatory Header Field missing, <400> is required.



VERIFICATION SUMMARYPATENT APPLICATION: US/09/788,110 DATE: 05/07/2002 TIME: 10:11:18

Input Set : A:\pto.vsk.txt

Output Set: N:\CRF3\05072002\I788110.raw

```
L:73 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:73 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:73 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:73 M:200 E: Mandatory Header Field missing, <400> is required.
L:78 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:78 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:78 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:78 M:200 E: Mandatory Header Field missing, <400> is required.
L:83 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:83 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:83 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:83 M:200 E: Mandatory Header Field missing, <400> is required.
L:88 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:88 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:88 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:88 M:200 E: Mandatory Header Field missing, <400> is required.
L:93 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:93 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:93 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:93 M:200 E: Mandatory Header Field missing, <400> is required.
L:98 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:98 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:98 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:98 M:200 E: Mandatory Header Field missing, <400> is required.
L:103 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:103 M:200 E: Mandatory Header Field missing, <400> is required.
L:108 M:200 E: Mandatory Header Field missing, <400> is required.
L:113 M:200 E: Mandatory Header Field missing, <400> is required.
L:118 M:200 E: Mandatory Header Field missing, <400> is required.
L:123 M:200 E: Mandatory Header Field missing, <400> is required.
L:128 M:200 E: Mandatory Header Field missing, <400> is required.
L:133 M:200 E: Mandatory Header Field missing, <400> is required.
L:138 M:200 E: Mandatory Header Field missing, <400> is required.
L:143 M:200 E: Mandatory Header Field missing, <400> is required.
L:148 M:200 E: Mandatory Header Field missing, <400> is required.
L:153 M:200 E: Mandatory Header Field missing, <400> is required.
L:158 M:200 E: Mandatory Header Field missing, <400> is required.
L:163 M:200 E: Mandatory Header Field missing, <400> is required.
L:168 M:200 E: Mandatory Header Field missing, <400> is required.
L:173 M:200 E: Mandatory Header Field missing, <400> is required.
L:178 M:200 E: Mandatory Header Field missing, <400> is required.
L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (1)
```